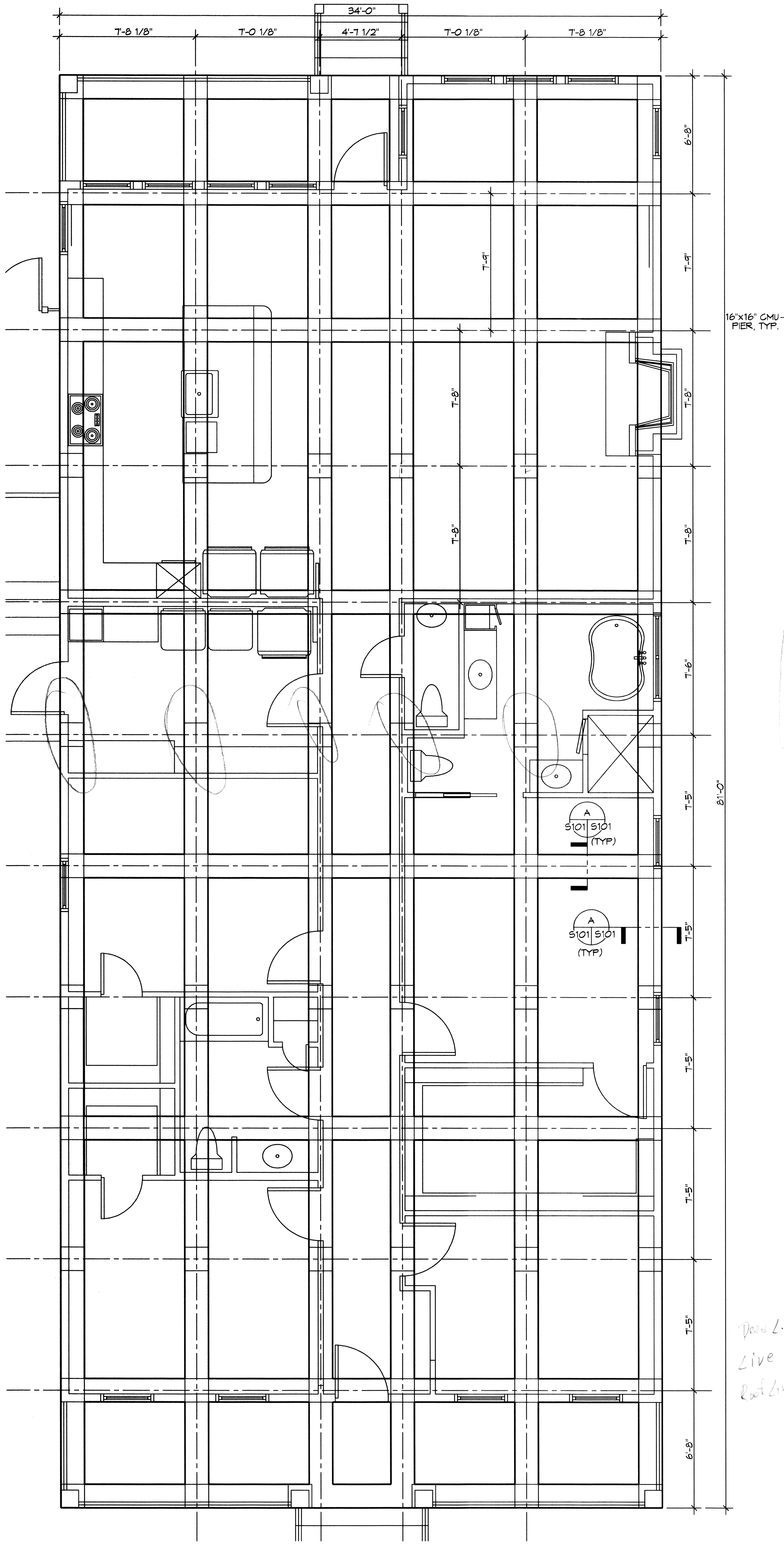
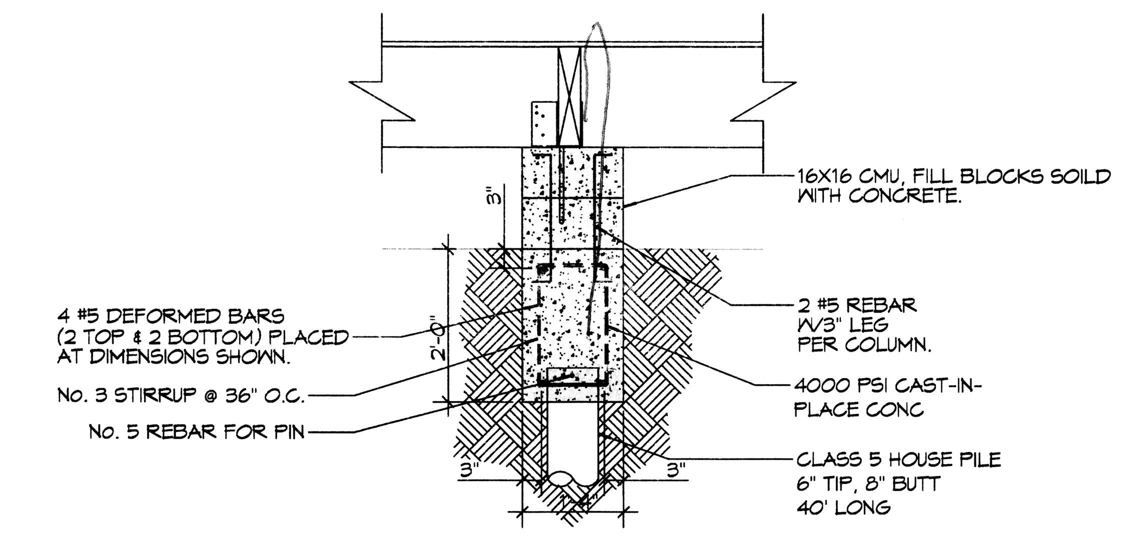
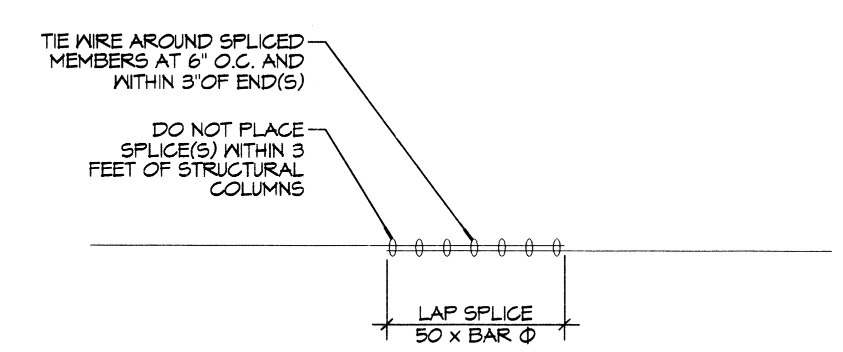


1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



A S101 S101 SECTION
SCALE: 1/2" = 1'-0"



2 S101 S101 DETAIL
SCALE: 1/2" = 1'-0"

34 x 81 = 2754
Dead L 2754 x 100 = 275,400
LRFD = 551,902#/(6x2000) = 46 piles
551,902#/(8x2000) = 35 piles

30' 6 TONS
40' 8 TONS

62'

PILING NOTES

1. PILES ARE TO BE CLASS 5 MODIFIED AND ALL PILES ARE TO BE 40 FT. IN LENGTH WITH A 6 INCH TIP AND 8" BUTT.
2. ALL PILES TO BE EMBEDDED 35 FT. MINIMUM INTO SOIL.
3. DESIGN LOAD = 8 TONS PER PILE. CONTRACTOR SHALL DRIVE TEST PILE.
4. NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED.
5. PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED ON ANY MODIFICATION.
6. THIS PILE SUPPORTED FOUNDATION IS DESIGNED TO MEET THE GENERAL SOIL CONDITIONS OF THE AREA OF WORK. THE CONTRACTOR OR OWNER IS ADVISED THAT A SOIL ANALYSIS SHOULD BE MADE TO CONFIRM THE DESIGN.
7. A PILE BLOW COUNT LOG OF ALL PILES IS TO BE SUBMITTED TO THE ENGINEER OF RECORD. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY AFTER 5 DAYS OF INSTALLING.
8. CONTRACTOR IS RESPONSIBLE FOR THE COMPARISON & VERIFICATION OF PILE LAYOUT DIMENSIONS WITH MOST RECENT ARCHITECTURAL DRAWINGS, ASSURING THAT PILES DO FALL WITHIN LIMITS OF THE DESIGN.
9. FILL, AS A MINIMUM QUALITY, SHALL BE 40% CLAY AND 60% SANDY MIXTURE, PLACED IN 6" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR.

FOUNDATION NOTES

1. ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) UNLESS NOTED OTHERWISE.
2. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON ARCHITECTURAL DWGS.
3. CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
4. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
5. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
6. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
7. GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
8. ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT.

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JOB No:	2317	DATE:	05-05-17
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S101